

Title (en)
METHOD FOR MAKING AN ABSORBER COATING FOR SOLAR HEATING, THE COATING AS SUCH AND ITS APPLICATION

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER ABSORPTIONSBESCHICHTUNG FÜR SONNENWÄRME, BESAGTE BESCHICHTUNG UND IHRE ANWENDUNG

Title (fr)
PROCÉDÉ DE FABRICATION D'UN REVÊTEMENT D'ABSORBEUR POUR CHAUFFAGE SOLAIRE, REVÊTEMENT EN TANT QUE TEL ET SON APPLICATION

Publication
EP 2545328 A4 20150805 (EN)

Application
EP 11733136 A 20110112

Priority

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Abstract (en)
[origin: WO2011087374A1] Method for making an absorber coating for solar heating and a coating as such to be applied on a metal substrate, in particular a coating to be applied on a thin aluminium metal sheet. The coating is of the sol-gel type based on a metal oxide precursor where pigment particles are intimately mixed into the precursor followed by application of the mixed sol lacquer on the substrate and thereafter reaction in humid air at a required temperature to obtain the sol-gel coating. The precursor may preferably be a CeO₂ (NO₃) based sol with preferably 20 % CeO₂ having a particle size of 10- 20 nm and a pH of 1,5. Further the pigment may be a manganese ferrite black spinel, Mn₃Cu₂FeO₈.

IPC 8 full level
F24J 2/48 (2006.01); **C23C 18/12** (2006.01)

CPC (source: EP KR US)
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Citation (search report)

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